

IN THE SPECIFICATION

Please replace the paragraph starting on line 9 on page 26 and continuing on page 27 with the following replacement paragraph:

Referring now to Figure 5, an oil system 84 includes an internal oil supply line 185 from the pump 76 to a fitting CCC, an external oil supply line 85, a pressure relief valve BBB with a return line to the reservoir 75, a heat exchanger 86 which has a vent line 87 at its uppermost point to vent trapped air to the reservoir 75, a temperature control valve ZZ, a filter 88, an oil header 117, a back pressure regulating valve PRV, an oil flow diverter valve 89, operated by an electrical actuator 90, from which a circuit oil line 115, typically on the order of 1-1/4 inch or larger pipe and conducting 20 to 40 gallons per minute, is connected to a fitting to a pipe leading to the nozzles 36. A choke CB may also be used to maintain pressure in the oil header 117 during normal operation. Large diameter pipes are used for the high flow conduits to reduce the velocity in order to reduce the heating of the oil that occurs when high velocity, turbulent oil passes through small diameter pipes. A circuit cooling oil conduit 95, relatively small in diameter as compared with the circuit oil line 115, is tapped into the oil header 117, and bypasses the diverter valve 89. The circuit cooling oil conduit 95 provides cooling oil to remove the heat generated by windage, when the impeller and runner are evacuated of a normal flow of circuit oil. To this end, a choke in the form of a small orifice 98 may be provided in the circuit cooling oil conduit 95 to limit the flow for bypass circuit operation. Also, from the diverter valve 89 a bypass oil line 94 extends that opens into the reservoir 75. The by-pass oil line 94 may also have a choke in the form of an orifice 99 between the diverter valve and the reservoir, to provide back pressure to

the oil header 117. Lube oil line 96 from the oil header 117 provides lube oil to the bearings 60 and 55. Lube oil line 96 is relatively small compared to circuit oil line 115, and a choke CA may be used to control the bearing lube oil flow, typically on the order of 1 to 2 gallons per minute. In certain applications, for example, when there is a wide operating speed range of the diesel engine and the pump speed is directly controlled by fluid coupling input speed, a back pressure regulating valve may be preferred to maintain a relatively uniform oil supply pressure for the bearings, and chokes 99 and CB are not used. In other applications, the diesel engine operating speed and ambient temperature conditions may be quite uniform and a back pressure regulating valve may not be needed.